



Australian Government

MEM60211 Advanced Diploma of Jewellery and Object Design

Release 4

MEM60211 Advanced Diploma of Jewellery and Object Design

Modification History

Release 4 - Imported elective units replaced by current versions.

Release 3 - Elective unit MEM22006A replaced by MEM22015A in Group D.

Release 2 - Elective unit MEM30001A replaced by MEM30031A

Release 1 - New qualification

Description

This qualification describes the skills and knowledge required to develop jewellery and object design solutions that require a wide range of specialised technical and creative skills. Design solutions reflect consideration of aesthetics, function, production techniques, material characteristics, and marketability of jewellery and objects.

Job roles/employment outcomes

This qualification targets independent professional designers or designers/practitioners in jewellery and objects. Designs may meet a specific client brief and reflect original design concepts. This person is likely to be an owner/operator or employed in a production workshop or small business operation and working directly with clients to produce items.

Application

This qualification is typically used to develop skills and knowledge in jewellery and object design enterprises. Skills gained from this qualification may be applied to specialist jewellery and object design briefs, including heritage jewellery, theatre and film commissions, exhibitions and churchware, as well as one-off individual client briefs.

Pathways Information

Pathways into the qualification

This qualification may be accessed by direct entry. Credit will be granted towards this qualification to those who have completed MEM50311 Diploma of Jewellery and Object Design, MEM40311 Certificate IV in Advanced Jewellery Manufacture (under development), or who can demonstrate equivalent vocational experience.

Pathways from the qualification

Further training pathways from this qualification include appropriate higher education or Vocational Graduate qualifications.

Licensing/Regulatory Information

There is no direct link between this qualification and licensing, legislative and/or regulatory requirements. However, all work must comply with occupational health and safety (OHS) and environmental regulations and legislation that apply to the workplace.

Entry Requirements

Not applicable.

Employability Skills Summary

Advanced Diploma of Jewellery and object design

The following table contains a summary of the employability skills as identified by the jewellery and object design industry for this qualification. This table should be interpreted in conjunction with the detailed requirements of each unit of competency packaged in this qualification. The outcomes described here are broad industry requirements that reflect skill requirements for this level.

Employability Skill	Industry/enterprise requirements for this qualification include:
Communication	<ul style="list-style-type: none"> • Use research and communication techniques and technology to gather and interpret data and information related to the development designs • Develop design specifications in consultation with client • Make calculations to determine production specifications • Communicate with clients and design or production team • Complete design documentation in a range of formats including drawings, specifications and plans • Produce detailed specifications and production documents to guide production • Negotiate designs with clients • Present design ideas • Interact with and negotiate with industry representatives
Teamwork	<ul style="list-style-type: none"> • Demonstrate and encourage others in working cooperatively with people of different ages, gender, race or religion • Provide and obtain feedback on processes, outcomes and specifications to support and improve team outcomes • Exchange information with clients and design team • Provide support to production team and oversee outcomes • Work with others throughout the design and production process • Provide leadership and direction to others • Participate in sustainability improvement
Problem solving	<ul style="list-style-type: none"> • Analyse suitability of materials for design concept • Analyse and apply design influences to determine trends and opportunities • Evaluate information to guide design development and processes • Make modifications to designs or techniques based on client requirements, production or resource issues • Identify and address design and production problems • Determine and test specifications to meet objectives • Assess commercial viability of designs
Initiative and	<ul style="list-style-type: none"> • Test procedures and design concepts to assess effectiveness in

enterprise	<p>meeting objectives</p> <ul style="list-style-type: none"> • Provide leadership in design and production processes • Identify non-conformances to standards and initiate appropriate action • Identify and implement effective ways to achieve design and production outcomes • Initiate and implement continuous improvement practices • Develop new designs for a target market • Identify design opportunities • Sell ideas to clients and other stakeholders • Determine promotional opportunities for work • Explore creative possibilities for designs • Evaluate sustainability of operations
Planning and organising	<ul style="list-style-type: none"> • Evaluate quality outcomes • Determine production requirements and plans for designs • Develop design and production plans • Plan processes to achieve desired outcomes within agreed timeframes • Ensure workplace and equipment are set up so that work requirements are met • Manage design and production processes • Produce and test design prototypes • Develop and implement contingency plans when responding to incidents and problems • Identify and monitor resource use in own work
Self-management	<ul style="list-style-type: none"> • Monitor own work against workplace, industry and quality standards • Adjust processes or techniques as required according to variations in requirements • Implement and apply OHS practices in the workplace • Seek feedback on own work to assess areas for improvement • Test quality and viability of work • Conduct work in a manner which minimises waste • Maintain currency of knowledge of trends, techniques and influences
Learning	<ul style="list-style-type: none"> • Assess own skill requirements and seek further development if required • Develop or adjust processes based on new information • Maintain current knowledge and skills in trends, techniques and influences • Seek feedback from target market on designs and products • Use design tools to explore and test design concepts • Experiment with materials, design concepts and production

	techniques
Technology	<ul style="list-style-type: none">• Use information and communication technology to acquire, manage and share information• Use computer aided design (CAD) technology in the development of designs• Use machinery and equipment in the production of prototypes

Packaging Rules

The minimum requirements for achievement of the MEM60211 Advanced Diploma of Jewellery and Object Design are:

- completion of all **nine (9)** core units of competency
- completion of **twenty seven (27)** elective units of competency, to bring the total number of units to **thirty six (36)**.

Units with prerequisites are marked with an asterisk. Note that when selecting elective units any prerequisite units must also be completed (refer to units for details).

Elective units of competency must be selected as follows:

- at least **five (5)** units of competency from Group A
- at least **three (3)** units of competency from Group B
- at least **three (3)** units of competency from Group C
- at least **three (3)** units of competency from Group D.

The **thirteen (13)** remaining elective units can be selected as follows, to bring the total number of elective units to **twenty seven (27)**:

- Group A, B, C or D electives not previously selected
- a maximum of **five (5)** units from Group E
- up to **six (6)** appropriate elective units may be chosen from other endorsed Training Packages and accredited courses where those units are available in an Advanced Diploma, Diploma (maximum 4 units) or Certificate IV (maximum 4 units) qualification.

Appropriate units are those that would be suitable for occupational outcomes in a jewellery and object design environment.

Note that the elective units listed below include all of the units that are approved for selection from the MEM05 Training Package for use in this qualification. This meets the NSSC requirement that one sixth of the total units must be able to be selected from other qualifications in the same Training Package.

CORE UNITS

- Complete all **nine (9)** units of competency from this list:

Unit code	Unit title	P
MEM13014A	Apply principles of occupational health and safety in the work environment	
MEM19023A	Apply drawing and rendering techniques to jewellery or object design	

MEM19026A	Investigate quality and application of jewellery materials	
MEM19040A	Create and manufacture jewellery or object design prototypes for the mass market	
MEM19041A	Experiment with jewellery or object designs	
BSBDES502A	Establish, negotiate and refine a design brief	
CUVPRP501A	Realise a body of creative work	
CUVRES502A	Analyse cultural history and theory	
MSAENV272B	Participate in environmentally sustainable work practices	

ELECTIVE UNITS

Group A: Specialist Advanced Diploma jewellery and object design units

- Select a minimum of **five (5)** units of competency from this list:

Unit code	Unit title	P
MEM19038A	Apply traditional techniques to jewellery and 3D object production	
MEM19039A	Plan, conduct and supervise a jewellery and object exhibition	
MEM19043A	Oversee jewellery or object design production	
BSBCRT601A	Research and apply concepts and theories of creativity	
BSBDES601A	Manage design realisation	
BSBDES602A	Research global design trends	
BSBDES701A	Research and apply design theory	
CUVACD601A	Extend professional expertise with drawing and other visual representation tools	
CUVPRP601A	Originate a body of independent creative work	
CUVPRP602A	Collaborate in professional creative projects	
CUVPRP603A	Engage in the business of creative practice	
CUVPRP604A	Publicly present a body of own creative work	
CUVRES601A	Extend cultural research expertise	

Group B: Specialist jewellery and object creative and design units

- Select a minimum of **three (3)** units of competency from this list:

Unit code	Unit title	P
MEM19024A	Use CAD to create and display 3D jewellery and object models	
MEM19025A	Create and present designs for jewellery and other 3D objects	
MEM19027A	Produce life drawings for presenting jewellery and object designs	*
MEM19028A	Select materials and new technologies for jewellery and 3D object design applications	
MEM19029A	Produce a professional jewellery design and 3D object portfolio	
MEM19030A	Research and design sustainable objects	
MEM19031A	Produce renderings and technical drawings for jewellery and object design construction	

Group C: Design process and drawing units

- Select a minimum of **three (3)** units of competency from this list:

Unit code	Unit title	P
MEM09002B	Interpret technical drawing	
MEM30031A	Operate computer-aided design (CAD) system to produce basic drawing elements	
BSBCRT501A	Originate and develop concepts	
BSBDES402A	Interpret and respond to a design brief	
CUVACD504A	Research and apply light and colour	
CUVACD506A	Refine 2-D design ideas and processes	
CUVACD507A	Refine 3-D design ideas and processes	
CUVDRA502A	Investigate drawing materials and processes	
CUVDRA501A	Refine drawing techniques	

CUVPRP503A	Present a body of own creative work	
LMFFDT4012A	Produce ideation drawings	

Group D: Jewellery and object production units

- Select a minimum of **three (3)** units of competency from this list:

Unit code	Unit title	P
MEM05006C	Perform brazing and/or silver soldering	
MEM06007B	Perform basic incidental heat/quenching, tempering and annealing	
MEM08010B	Manually finish/polish materials	*
MEM12023A	Perform engineering measurements	
MEM12024A	Perform computations	
MEM13003B	Work safely with industrial chemicals and materials	
MEM13004B	Work safely with molten metals/glass	
MEM18001C	Use hand tools	
MEM18002B	Use power tools/hand held operations	
MEM18003C	Use tools for precision work	*
MEM19001B	Perform jewellery metal casting	*
MEM19012B	Produce jewellery wax model	*
MEM19013B	Produce jewellery metal masters	*
MEM19032A	Design and implement mechanisms in jewellery items	
MEM19033A	Create silversmithing objects	
MEM19034A	Apply chain manufacture process	
MEM19035A	Plan and apply casting techniques for jewellery and object designs	
MEM19036A	Use specialised techniques to produce jewellery and objects	
MEM19037A	Plan and implement chain fabrication process	

MEM22015A	Source and estimate engineering materials requirements	
CUVACD304A	Make scale models	
CUVDES403A	Research and apply techniques for the design of wearable objects	
CUVJWL401A	Experiment with techniques to produce jewellery	

Group E: General Electives

- A maximum of **five (5)** units may be selected from the following list:

Unit code	Unit title	P
Digital context and imaging		
MEM16008A	Interact with computing technology	
MEM19042A	Render images using computer graphics software	*
CUVACD512A	Work with photomedia in creative practice	
CUVDIG401A	Experiment with techniques to enhance digital images	
CUVDIG501A	Refine digital art techniques	
CUVGRD301A	Prepare files for publication	
CUVPHI302A	Capture photographic images	
CUVPHI403A	Apply photo imaging lighting techniques	
Communication		
MEM16006A	Organise and communicate information	
BSBCMM401A	Make a presentation	
BSBCRT401A	Articulate, present and debate ideas	
BSBCRT402A	Collaborate in a creative process	
CUVPRP405A	Develop and discuss ideas for own creative work	
Professional practice and management/industry context		
BSBIPR401A	Use and respect copyright	

Unit code	Unit title	P
BSBIPR501A	Manage intellectual property to protect and grow business	
BSBPMG522A	Undertake project work	
BSBSMB403A	Market the small business	
BSBSMB405B	Monitor and manage small business operations	
BSBSMB406A	Manage small business finances	
CUFIND201A	Develop and apply creative arts industry knowledge	
CUFRES401A	Conduct research	
CUVPRP403A	Select and organise finished work for storage	
CUVPRP502A	Prepare for sustainable professional practice	
MSAENV472B	Implement and monitor environmentally sustainable work practices	
SIRXSLS201	Sell products and services	

Custom Content Section

Not applicable.